PHSA2.5-EH/PHSA2.5-SH

Indoor Fine Pixel LED

Features：

· Bezel-free native 1080P, 4K and customized resolution LED video wall system.

· Ultimate visual performance with 16 bit grey scale, 1920 Hz refresh rate and 3000:1 contrast ratio.

· 24/7 reliability, 100,000hours lifespan at least.

· Dot by dot calibration ensures excellent color and brightness uniformity.

· Low power consumption, environment friendly.

· Natural heat dissipation mechanism enables fan-less design, no noise.

· PHSA2.5-EH and PHSA2.5-SH adopt different LED package.

Technical Specification

Model

Model	PHSA2.5-EH/PHSA2.5-SH

Parameters

Parameter	Value
Pixel Pitch	2.5mm
Pixel Type	1R1G1B
LED Type	SMD2020
Brightness	800 cd/m²
Brightness Control	Automatic/Manual
Color Temperature	3200K~9300K(adjustable)
Viewing Angle	120°/120°
Pixel Density	160,000 dots/m²
Module Resolution (W×H)	96×96 dots
Module Size (W×H)	240×240 mm
Cabinet Resolution (W×H)	192×192 dots
Cabinet Size (W×H×D)	480×480×80 mm
Cabinet Weight	8.5 kg/cabinet
Cabinet Area	0.2304 m²

Spec	Value
Cabinet Material	Die-cast aluminum
Cabinet Aspect Ratio	1:1
Ingress Protection	IP30
Operating Temperature	0℃~+45℃/10%~90%RH
Storage Temperature	-10℃~+55℃/10%~90%RH
Cabinet Flatness	≤0.1 mm
Color Processing Depth	16 bits
Grey Level	65,536 levels per color
Color	281.4 trillion
Single Pixel Brightness Correction	Support
Single Pixel Color Correction	Support
Brightness Uniformity	97%/±0.003
Color Uniformity	(x,y)±0.003
Contrast	3000:1
Frame Rate	50/60 Hz
Refresh Rate	1920 Hz
Input Voltage	AC100~240V (+/-10%), 50/60 Hz
Input Power (max)	750 W/m²

Input Power (avg)	350 W/m²
Lifespan	100,000 Hours
LED Wavelength	R:610~630nm, G:515~540nm, B:460~480nm
Driving Mode	Constant Current Driving, 1/24 scan
Installation	Fixed
Maintenance Mode	Front/Rear Maintenance Optional
Communication Connection	CAT5 Cable (L≤100m); multi-mode fiber (L≤300m); single mode fiber (L≤15km)